
REMARKS

The Examiner has required election of species I through IV. In response to the election requirement, Applicant elects as follows:

- For species I (type of driving field) Applicant elects time-varying electrical field;
- For species II (type of mobility-varying field) Applicant elects the species comprising applying an electrical field and the species comprising exploiting electroosmotic effects (Examiner has indicated that these species would be considered together);
- For species III (type of particles) Applicant elects the species comprising electrically charged or uncharged biomacromolecules and the subspecies comprising DNA and RNA;
- For species IV (type of medium) Applicant elects gels.

This election is being made with traverse. In relation to species III Applicant submits that searching the identified sub-species would not impose an unreasonable search burden on the Examiner. In relation to species IV Applicant submits that the identified species are not mutually-exclusive. For example, a medium may comprise a gel with micro-fabricated structures or a gel which interacts with particles by way of entropic trapping. The requirement to elect sub-species in relation to species II is moot because applicant has not elected the species related to causing cyclic chemical changes.

The pending claims that read on the set of elected species are as follows: claims 1 to 11, 13 to 14, 27 to 30, 34, 74, 75, 77 to 79, 81, 82, 88, 89, 99 to 105, 141 to 148, 165, 182, and 185. In addition, claim 12 may read on the elected species at least in the case where the mobility varying field comprises exploiting electroosmotic effects. Claims 15, 16, 38, 91 to 93, 94 to 98, and 106 to 112 also read on certain embodiments within the elected species.

The Examiner has noted that claims 1, 141, and 182 are generic. While this is correct, Applicant submits that other claims are also generic as being non-specific in relation to any of the particular species among which the Examiner has required election.

Respectfully submitted,

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